

09310000 GOOSEBERRY CREEK NEAR SCOFIELD, UT

LOCATION.--Lat 39°42'57", long 111°17'58", in NW¹/4 SE¹/4 SW¹/4 sec. 6, T. 13 S., R. 6 E., Sanpete County, Hydrologic Unit 14060007, on left bank 300 ft downstream from old Mammoth Dam, 5.5 mi upstream from mouth, and 7 mi west of Scofield.

DRAINAGE AREA.--16.8 mi².

PERIOD OF RECORD.--October 1930 to September 1931, May 1940 to current year.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 8,400 ft above sea level, from topographic map. October 1930 to September 1931, at different datum, May 1940 to September 1954, at datum 0.50 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Transmountain diversion above station for irrigation in Sevier River basin, part of which is water diverted into Gooseberry Creek from Boulger Creek. A small reservoir on Gooseberry Creek 5 mi above station, capacity about 1,900 acre-ft is used to regulate these diversions. Flow also affected by small reservoir 1 mi above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 419 ft³/s, May 22, 1984; maximum gage height, 3.37 ft May 27, 1986; no flow Nov 11, 1964, Sep 23-26, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 176 ft³/s, May 1, gage height, 2.31 ft; minimum daily discharge, 0.16 ft³/s, Jan 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	5.8	1.8	.33	.32	1.5	7.9	141	27	7.1	2.8	2.7
2	2.8	4.8	1.5	e.26	.34	e1.4	11	123	25	7.1	2.6	2.7
3	2.6	4.2	e1.4	e.22	.35	1.7	13	80	23	6.9	3.4	2.7
4	2.6	4.0	e1.1	e.20	.41	e1.6	12	64	22	6.4	5.1	2.7
5	2.6	4.4	.99	.19	.46	1.8	14	62	20	6.0	3.6	2.7
6	2.6	4.2	.88	.18	.53	1.9	13	63	19	6.0	3.9	2.8
7	2.5	4.0	.79	e.18	.70	2.2	13	73	18	5.9	5.3	2.8
8	2.6	3.8	e.74	e.17	.76	e2.1	e12	95	17	6.5	5.2	2.8
9	2.9	5.0	e.78	.16	e.44	e2.3	e9.8	113	16	6.6	5.3	2.7
10	3.9	5.2	e.85	.19	e.41	2.8	8.4	122	15	5.9	4.9	2.8
11	6.5	4.5	e.92	e.19	e.71	2.8	e8.0	117	15	5.7	4.3	2.7
12	5.2	4.2	1.1	.21	.84	2.6	8.5	112	14	5.3	4.2	2.8
13	4.3	3.9	1.2	.22	.81	2.6	e8.0	123	15	4.8	4.3	2.8
14	3.7	3.6	1.3	.22	.88	e2.5	7.5	122	14	5.0	4.2	2.9
15	3.6	3.8	e1.1	.21	1.0	e2.6	e7.4	119	13	6.3	4.2	2.8
16	3.4	3.7	e1.0	.22	e.95	3.0	9.8	118	13	5.4	4.1	2.7
17	3.3	3.5	1.1	e.20	e.96	3.0	13	124	12	4.4	4.0	2.6
18	3.2	e3.0	1.1	e.20	1.1	e2.8	19	116	11	3.9	4.0	2.5
19	3.1	2.5	e.90	.21	1.3	e2.9	25	108	11	3.7	3.9	2.4
20	3.0	2.2	.86	.20	1.3	e3.0	28	90	11	3.7	3.9	2.5
21	3.4	1.9	.80	e.19	1.4	3.6	21	80	10	3.5	3.7	2.5
22	4.9	1.9	.80	.18	e1.3	4.6	17	72	9.5	3.3	e3.4	2.5
23	4.9	1.9	.85	.19	e1.7	5.4	15	65	9.3	3.2	e3.2	2.4
24	5.1	1.8	.86	.19	e1.4	6.0	17	60	9.3	3.3	e3.0	2.3
25	4.3	e1.4	.84	e.21	e1.2	6.8	26	54	8.6	3.2	e2.8	2.3
26	3.8	1.3	e.66	e.24	e1.2	8.0	45	50	8.8	4.5	e2.7	2.4
27	3.6	1.4	e.60	.24	1.2	e8.7	61	45	9.1	5.1	e2.6	2.2
28	4.3	1.6	.51	.25	1.4	9.1	79	38	8.2	3.9	2.6	2.2
29	4.4	1.6	e.48	.29	---	8.5	112	35	7.6	3.2	2.6	2.3
30	4.6	1.9	.41	.30	---	e7.4	117	31	7.2	3.6	2.7	2.3
31	6.3	---	.38	e.29	---	e7.4	---	28	---	3.3	2.7	---
TOTAL	116.8	97.0	28.60	6.73	25.37	122.6	758.3	2643	418.6	152.7	115.2	77.5
MEAN	3.77	3.23	.92	.22	.91	3.95	25.3	85.3	14.0	4.93	3.72	2.58
MAX	6.5	5.8	1.8	.33	1.7	9.1	117	141	27	7.1	5.3	2.9
MIN	2.5	1.3	.38	.16	.32	1.4	7.4	28	7.2	3.2	2.6	2.2
AC-FT	232	192	57	13	50	243	1500	5240	830	303	228	154

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2001, BY WATER YEAR (WY)

MEAN	4.88	4.55	3.75	3.39	3.40	4.30	18.4	101	60.1	13.6	7.15	5.01
MAX	13.5	11.6	9.00	7.83	7.37	10.6	55.4	239	239	47.9	16.7	14.1
(WY)	1983	1983	1942	1984	1984	1972	1942	1952	1983	1983	1965	1965
MIN	.65	1.92	.92	.22	.91	2.13	3.37	12.9	9.35	3.75	1.96	1.89
(WY)	1979	1991	2001	2001	2001	1963	1975	1977	1992	1977	1977	1977

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1941 - 2001

ANNUAL TOTAL	4489.10	4562.40										
ANNUAL MEAN	12.3	12.5	19.3									
HIGHEST ANNUAL MEAN			40.7									
LOWEST ANNUAL MEAN			4.65									
HIGHEST DAILY MEAN	119	May 4	419	May 22	1984							
LOWEST DAILY MEAN	.38	Dec 31	.00	Sep 23	1966							
ANNUAL SEVEN-DAY MINIMUM	.55	Dec 25	.06	Sep 22	1966							
ANNUAL RUNOFF (AC-FT)	8900		13950									
10 PERCENT EXCEEDS	40	28	50									
50 PERCENT EXCEEDS	3.7	3.3	5.0									
90 PERCENT EXCEEDS	1.5	.41	2.5									

e Estimated